INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7   G06F17/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7   G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, WPI Data, INSPEC, PAJ, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	IWASAKI T ET AL: "Optimal design of flat structures for vibration suppression" PROCEEDINGS OF THE 2001 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS. CCA'01. MEXICO CITY, MEXICO, SEPT. 5 - 7, 2001, IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS, NEW YORK, NY : IEEE, US, 5 September 2001 (2001-09-05), pages 583-587, XP010571035 ISBN: 0-7803-6733-2 the whole document ——— —/—	1-3

[X] Further documents are listed in the continuation of box C.		[ ] Patent family members are listed in annex.

° Special categories of cited documents :

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the international filing date

'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

'O' document referring to an oral disclosure, use, exhibition or other means

'P' document published prior to the international filing date but later than the priority date claimed

'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

'&' document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
15 March 2005	23/03/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Radev, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category°	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RATLE ALAIN ET AL: "Use of genetic algorithms for the vibroacoustic optimization of a plate carrying point-masses" JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 104, no. 6, December 1998 (1998-12), pages 3385-3397, XP012000693 ISSN: 0001-4966 the whole document	1-3
X	TRINDADE MARCELO A: "Optimization of sandwich/multilayer viscoelastic composite structure for vibration damping" 20TH INTERNATIONAL CONFERENCE ON OFFSHORE MECHANICS AND ARCTIC ENGINEERING;MATERIALS; RIO DE JANEIRO, BRAZIL JUN 3-8 2001, vol. 3, 2001, pages 257-264, XP008028067 Proc Int Conf Offshore Mech Arct Eng - OMAE;Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE 2001 cited in the application the whole document	1-3